Stimulating and untiline expects Tho: Harring

he is about to embark. By light I mean that subtile fluid smitted from luminous bodies and which is propeped afvery peculia and important properties. Whether contemplated in a physical or chymical point of veer, light must be pronounced one of the charest gifts of heaven . - It is not any one of the principle sturned of life, but as the medium of report, of fords us immunerable rapturous ho ceptions. Few Dulgeets murit am atten thou more their this cercumamber etherical fluid, by means of which as The beauty and glory of creation and land open to am view. Even the elliterate and unobsavor

Sulte as bady uplato. stimus rupon, turnsp which was a series and with the ation & or a tensible up all

savage acknowledges the devine influe of light, by reverencing and offering obtations to some on on other of the heavenly turninaries.

It is temarkable that man was not brought into earline tills the luminaties were found. - was awoke semained by light, and soon became sensible of this congenial the less to his nature.

The sturnelating properties of light have long since and are mus generally admitted; but for its offer cation to the practice of medicine to world is indebted to the illustricing stroffer of the institutes and pract of medicine.

For a knowledge of its nestritive qualities, or at least for its

ereny on the her hat me and on its of custing d prais of its

classification among the articles of mutuentia, the honor is due the in. genious Doctor Barton. Notwitheranding the very epential use of light, in unpar ting visour and sprightlines to the plant after regetation has commen ced; But we find that if the seed he barely exhaud to the powerful stumeless of the solen rays, summe tion is presented. Were this luminous sub thence intercepted, vegetables would sechen and exhibit a lipeless and he lid appearence. The beautiful, variegated, oh of most regetables defined on the prese of this fluid . - the fungi it is true are an exception. - Their colour do ticles of ding the the seed everful firma and for gated, the is true

growth are independent of light, in hence the Gardener bleaches his celery and other plants which partake of its nature.

an not only indulted to light for their colour, but likewise for their taste, smell, condustibility, maturity and receives principle: Hence are madic substances, revins, volatile ails, and those colouring mature, of some rature for their livelistes and body, are president to southern climates, when light is more pure, constant and interve.

of plants that grew in the light an much more active, then those which grew in the southern

light is celery 4, regitar of some bady mates, restan walities light on while outhern

countries yield the most active and valuable medicines.

He is a fact well known to the futhabitants of the western hart of Permylvania, that the suice who the Palm the opposed during theday yields much more sugar, when the which there the which the right.

Regetables discoun a partiality for light by the direction of their lients and flowers. - Incelled and hot houses when light is admitted in one direction only, we observe the enclaiming towards the place of its introduction, as if to embrace their beneficient friend, and hence is mainifested the congenicality of this fluid to placents of every description, and its necepity to this prosperity and

time and hartof ng Shede Shan to direction - In culs admitta becen the of its in thin be is mui. his fline w, and and

grandh. - Thus too partially enclosed as always seem pushing their limbs into the open air, and extending their god most rapidly when the light is poured in whom them in the quatert profession.

Chaptal ascribes mon to the influence of light them can ju by be attributed to it. - He says "A very " astonishing property of light on the I negetable kingdom is, They emus vital " our" - This phenomenon professor Woodhouse has illustrated injunious and satisfactority, by means of a Leves of experients. - From These he has proved that oxigine gas is not eliminated from the plant, but a defundent on a decomposition of

Laxur ho with he thereward at light . The flow lt is in the can "A ven Lepor not but " of columns also observable in on of

carbonic acid present, effected by The sturnelies of light. - The bland undered appears to devour, and to be nowished by the certione, whilst the vited air is disingaged . - For he could in no instern procur The meet quentity of oxigen gas, unless then were carbonie acid present in the wester in which the regitables even placed Light hers a very proution effect an another class of anima. ted beings . - We observe those am mals which are secluded from light, have a pulled, whitish colon, send as grubs, wours, Le which time in the seeth on in trees . - The lop of colour is also observable in

el by 16 hu en he seyen. hear rulia e ani colon The in

The arctic animals during the low nights in the countries near the poles The nocturnal birds and fly ing insects of the night, are dutinquishable from those of the day by Then went of bulliances of colour Doctor Gutanner hew obi served, that arrivals which concer Themselves for the greatest heart of The year, in sultinements develon tose their colour and become white and that muce kept in a cage, in a dark room, have produced white offerings. - The difference is equally merrifest between Those animals of the worth cense of the south. Hence I would enfer that the day become of colour in the human species is entirely dependent on the

of Shelm dulin dery by of colon here ob y in a white shedy humer 1 onthe

climate in which they live, and not to any specific difference in the original stamma. Negro children the considerably white at hirsh, be come bleeck when exposed to the solen rays, and I am indued to believe they would continue so even it presticable for them to time weathout being exposed to the light. There is a story marrated by Jeshermen, on which I believe in many but unplied releaser; That fish are much father during the feel moon, then at any other freed. - No more takes place here their is observed in the her men species . - The health, rendery complianon and athletic constitution

-, andre in the no chick hirshyte to the uned to Them to sed to recation ~ derin any takes The hor ruddy white

of those persons who are daily exposed to the seens influence, gon strong and unfutable evidences of the alimentary and unique ting properties - W Stewart the fernous produstreem traveller in found Doctor Rush that he to several months in Laplana del 69. deving most of which time The seen was not absent . - and that he enjoyed an inusual degre of health and sprints who he justly attributed to the envigo. rating influence of the sums life Agreeably to one of the laws of secretion, when two stimular of uniqual force are applyed to system at the same time the should

ilyen ener, go muga 1 her and b 1 time - and esual rits Wh will. uns 4 laux. jed to , show

fundominates; where I lufer light is no feeble sturnedent, it is one of the principle atum. which countracts and present very howeful stimules of m mater exhalations from affection The system during the day .here two thinds of the desease which attack the human body are found to commence in M night, while the system suff This privation. Patients frequently)

nights in makefulness in severs the system is below the sleeping! sind face, but but into a right seef as the recurrence of the ming light, the system being that

land land Le Men. hreens Cus you affects - Olesial fever refus o the

raised to that necessary point at sleep takes place. - Hence the new of giving a quater quantity of st muli, in those desiases in which Stermilants are indicated, du The night them in the day . - ! here also the propriety of dead my the rooms of patients who Jeners are influentary. for the physician to regulate " quentien of light admitted Tio perticute, by the state of the

as the temperature of the comple of the air in his boom. Light acts particularly on organs of eight; when two intents eint a the me of dens to who nitted of the Jews! uly on

it induces ophtherlinia. It gentle imprime on that he man walked a rade and during the time the man was on the ground without eaper was and delicious.

Much werenelsary pains has been taken to descriptionate the this solen light, and the light which.

has been taken to descriminate the Mr solen light and the light which a afforded by combentium; but I concieve of the writing and sumpe of nature earthry here, as it down all her works and their effects at coartly the samme, and the latters of starter and life principal air its; ration.

factompenies tight, the phenomena her of country to a secular to mail

Heat many in some measure modify the where it exects, but most assuredly it ca produce them. The effects of light did not cape the observing eye of Lanasius. Has o greamsation, sensation, sportunions m " and all the operations of like only exerts "The surface of the earth, and in place " capased to the influence of light .-" out it nature itself would be lefelif as " unemate. - By means of light ". "benevolence of the Deety hath filled " senface of the with with organis " sensation and intelligence. The effects of light an mal life are strongly demanstrated its influence on the spirits. - who not experience its exhibiting effects as a clear they and thining sun, or felt or day

mad upe one shamply demanded to influence on the spirits. - who not experience its exhurching effects at a clear they and thering being a felt a dy of his spirits in proportion to the glas of the cucumatarbient above they are hundred or this cheering cordial? It he reserved for him alone who has been

light ha yhl an effects & felt a da She glas heres and cal? M as been

deprived of light, and confined in dem Dungeours to describe his disponding & teans, and this subject sustice. Life says Soilor Rush is a more turpied state in those who have lost their sight and hearing, them in who have not: Live drawing to as certain to be the consequence of michanicals preprioris are the body, many we not " that the frequent occurrence of dream in the morning is owing to the sh lus of light? Having now concluded m obsurations on light, I wish each This sor of this unversity to accept my warment acknowledgments for the quest apportunities of unprovenien I have enjoyed in their respective ? ches; and my succeed wishes for this undividual happines. Tho flarry